

ABSTRACT OF THE DISCLOSURE

In order to remove a scattered line component resulting from an object from projection data to obtain a satisfactory rearrangement image, an amount  
5 of scattered line is calculated from a region in which a first-order X-ray is shielded by an X-ray shield and a component corresponding to the scattered line is removed. Then, an image in the region in which the first-order X-ray is shielded is  
10 complemented based on an image taken from a 180-degree opposite direction.